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(54) CONDUCTOR ROLL FOR ELECTROPLATING LINE AND ITS PRODUCTION

(57)Abstract:

PURPOSE: To provide a roll having a thermally sprayed film provided with a performance equal to that of the conventional remelting treated article in the state as it is thermally sprayed without remelting and its producing method in a conductor roll for electroplating line, which is formed by thermally spraying an Ni-Cr based self-flexing alloy containing metallic carbide particles or the like.

CONSTITUTION: In the conductor roll for electroplating line, a mixed powder composed of WC and the Ni-Cr alloy is thermally sprayed directly on the surface of a roll barrel part or on an under coat thermally sprayed film composed of an alloy containing no metallic carbide provided on the surface of the roll barrel part to form a structure that the flatly dispersed WC particles 2 are enchased in a joint made of solidified particles 3.



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